Nova Scotia

EDUCATION

Annual Report

FOR THE YEAR ENDING JULY 31, 1981

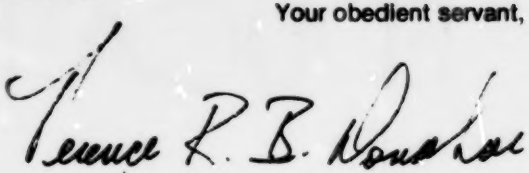
THE HONOURABLE ALAN R. ABRAHAM, C.D.
Lieutenant-Governor of Nova Scotia

Sir:

I beg to present herewith the report of the Department of Education for the school year ended July 31, 1981.

I have the honour to be

Your obedient servant,



TERENCE R. B. DONAHOE
Minister of Education

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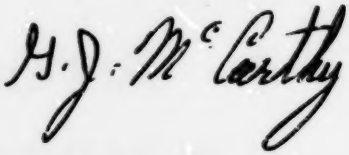

G.J. McCARTHY
Deputy Minister of Education

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1. DEPARTMENT OF EDUCATION: ADMINISTRATIVE STRUCTURE

The major administrative program areas of the Department of Education are Public School Operations, Education Programs, and the Finance and Budgeting Program.

Public School Operations

Public School Operations includes the following divisions: Curriculum Development, Vocational Education, Inspection Services, and School Planning and Conveyance.

The Curriculum Development Program, which is responsible for elementary and secondary education programs, co-ordinates curriculum development, recommends appropriate instructional materials for inclusion in the authorized lists, and provides consultant services. It assists in the planning and implementation of in-service programs, has consultants in a variety of subject areas, and provides pupil personnel services to assist in the provision of student counselling and evaluation of pupil achievement.

The Vocational Education Program provides general supervision of secondary vocational education and operates 11 of the 14 regional vocational schools in the province. (The remaining three are operated by amalgamated school boards.)

The staff of Inspection Services consult with school boards, school administrative staff, and the general public, and serve regionally as monitors of the foundation program and as interpreters of departmental policy and procedures.

The School Planning and Conveyance section monitors and provides advice on school construction and on the safe and efficient operation of pupil conveyance systems.

Education Programs

The Education Programs area includes: Adult Education, Education Resource Services, Ethnic Services, Publication and Reference, and Teacher Education.

The Adult Education Program assists in developing and co-ordinating all aspects of adult education in the province through (a) continuing education in adult education classes, along with community development and other adult education services, (b) adult vocational education, involving development and operation of manpower training, and (c) applied arts and technology education, in-

volving operation of three technical institutes. The vocational and technical program is co-ordinated with the services offered by the Canada Employment and Immigration Commission.

The Education Resource Services Program includes the Nova Scotia Museum, Education Media Services, and the Provincial Library. The Museum displays and interprets artifacts relating to the natural, social, and marine history of the province, operates a number of historic buildings throughout Nova Scotia, and provides financial and advisory support to local museums. Education Media Services provides schools with the resources of a media library, an audio-visual equipment repair service, and various audio-visual productions, including educational television programming. The Provincial Library co-ordinates the regional library service of the province and the union catalogue of library holdings in Nova Scotia.

Ethnic Services provides information and advice to other departmental divisions and to local school systems on the development of programs designed to increase knowledge and appreciation of the contributions of all ethnic groups and of the multicultural nature of our society.

Publication and Reference publishes periodicals for teachers, consolidations of legislation, directories of schools, and various other bulletins related to education. This section also provides a general editing service for the department, answers inquiries from the public and the news media, and helps to arrange publicity for departmental events.

The Teacher Education Program develops and co-ordinates pre-service and in-service teacher education, including operation of the Nova Scotia Teachers College and the Nova Scotia Summer School. This division also supervises registration and certification of teachers.

Finance and Budgeting

The Finance and Budgeting area includes the divisions of Financial Management, Teachers' Pensions, Public Education Grants, and Research, a Post-Secondary Education section, an Internal Auditor, and a Co-ordinator of Management Information Systems.

The Financial Management division controls the internal financial operations of the department, operates a bureau which supplies school boards with textbooks and other learning materials, and maintains departmental personnel records.

The Teachers' Pensions section administers the provisions of the Teachers' Pension Act and Regulations.

Through its staff in the central office in Halifax and accounting and control officers based in the various regions of the province, the Public Education Grants division supervises the provision of education grants to school boards.

The Research division conducts assessments of the department's educational programs, carries out educational research, and maintains educational statistics.

The Post-Secondary Education section includes a Financial Analyst and a Student Aid Office which administers the Canada Student Loan and Nova Scotia Student Bursary programs.

The Internal Auditor is responsible for evaluating the adequacy of the department's systems of management control.

The Co-ordinator of Management Information Systems has responsibility for the overall supervision of activities related to preparation and monitoring of the department's budget, and the provision of advice on the development of improved systems for obtaining and presenting information on which to base management decisions.

2. ADMINISTRATION AND SUPPORT SERVICES

Commission on Public Education Finance

The framework of the current system of financing the public schools of Nova Scotia under the Foundation Program was established more than 25 years ago following the recommendations of the 1954 Report of the Royal Commission on Public School Finance in Nova Scotia (the "Pottier Report"). Particularly in its early years, this system served the province well in advancing towards the goal of equalizing educational opportunities. In more recent times, however, attempts to modify the system, in the face of changing circumstances, to ensure high quality (and reasonably comparable) educational opportunities across the province, to limit the burden on the property tax payer, and to control provincial expenditures, resulted in a very complex system which was extremely difficult to manage effectively.

On August 1, 1980, the Minister of Education established a Commission on Public Education Finance with a mandate to inquire into, and make recommendations on, all matters related to the financial support of public schools in Nova Scotia. Appointed to the Commission were: Chairman — Mr. George Walker, Superintendent of the Kings County Amalgamated School Board; Secretary — Mr. John Levangie, Chief Director, Finance and Budgeting, Department of Education; and Mayor Daniel Brownlow of the City of Dartmouth.

During the five months following August, 1980, the Commissioners held hearings throughout the province and received submissions from representatives of school boards, municipal councils, professional organizations, and the general public. In addition, a study was made of previous reports on education finance in Nova Scotia. The Report of the Commission was submitted to the Minister on March 31, 1981 and was tabled in the House of Assembly on April 3, 1981. In a statement to the House on May 11, 1981 the Minister announced that the Government had accepted the majority of the Commission's recommendations and planned to implement them in several stages, beginning on August 1, 1981. An implementation team was established to assist school boards and municipal councils with the introduction of the new system.

Among the major recommendations made by the Commission and accepted for implementation were:

- **A large reduction in the number of school boards in the province through the formation of new district boards.** The Commission

Report recommended that there be 21 district boards, but negotiations on the formation of the boards were expected to take place over a fairly lengthy period extending well into the next reporting year (1981-82).

- **The establishment of a revised "core" program to be made available to every qualified student.** A Public School Program Committee to study and make recommendations regarding the core program has been appointed.

- **The provision of provincial funding strictly on a "formula" basis.** It is intended that, under the new system, formulas will be designed to provide adequate funding for education services without need for ad hoc adjustments.

  The majority of funds will be provided through the "general formula" which is the product of the number of the board's students (weighted according to whether they are elementary, secondary or vocational students) by a fixed amount which is the same for all boards. Part of this funding will be provided by the supporting municipalities in an amount determined by their total uniform assessment multiplied by an education tax rate set by the province. The municipal units can choose to provide funding in excess of this minimum.

  Other formula grants are to be provided by the province for property service and pupil transportation. Both of these, like the general formula grant, are to be "global"; that is, the district school board will not be restricted to spending these funds on particular aspects of the education program. Five other provincial formula grants are intended for special purposes (special education, driver education, summer school, adult education, boarding of students), and must be used for the specified purposes. A further grant, based on a percentage of the general formula funding, is to be provided for capital equipment and other minor capital expenditures.

- **The annual review of all funding formulas.** A Formula Review Committee with representatives from the Department of Education, the Union of Nova Scotia Municipalities, the Nova Scotia Teachers Union, and the Nova Scotia School Boards Association has been established.

- **The assumption by the Province of existing school debt of district school boards, as well as 100 per cent of the cost of all new approved school construction.**

Although many of the details of the implementation of the Commission's Report remained to be worked out at the end of the reporting year, departmental staff members were taking vigorous action on many fronts to ensure that the new system was introduced as quickly and smoothly as possible.

Research Services

Administration and Operations

Research continued to provide a wide range of research and technical services for the department, school boards and individuals.

Revisions were made to the Teacher Information System to keep the file current with changes occurring in the education system. Many of the forms used to collect teacher information were reviewed and changed to ensure that the information collected would be current and correct.

Changes were made to the student enrolment module, which enabled the department to collect, in detail, enrolment data by age, grade and sex, as well as subjects of study. This file is part of a planned total education information system and is in its second year of operation. Computer programs and system procedures are working well and Research has eliminated some cumbersome methods of collecting information on students.

The section continued to provide reports and statistics to management and all who required information of a research nature from the department. One of the major activities of the section during the year was to provide research support for the Commission on Public Education Finance.

Testing Programs

The Nova Scotia Achievement Tests, administered in October, 1980 to all Grade 9 and Grade 12 pupils, provided data for assessment of knowledge and competence in five major fields of learning forming the core of Nova Scotia education, evaluation of the extent to which educational objectives and priorities are being met at the school system and provincial levels, and assistance in determining how

student needs can be met more effectively by modifying, refining or changing educational objectives or priorities. A new system of score reporting has increased the usefulness of the testing program to school boards and school personnel and will lead to improvement in the overall evaluation of the achievement of educational objectives.

The Nova Scotia Standards Project, which was held in abeyance for the year 1980 because of a lack of suitable testing materials, will be activated in the spring of 1982. Planning for the project took place during the year under review, and data from the project will be used to evaluate the extent to which Grade 6 pupils have achieved competence in basic skills and knowledge and to provide provincial normative data as a basis for future evaluations.

The General Educational Development Test Program (high school equivalency examinations) became a responsibility of the Research section during the year. Over 2,000 adults participated in this program, with approximately 65 per cent achieving an upgrading to either a Grade 11 or Grade 12 equivalency. This program allows for the measurement of academic achievement which has been attained by means other than regular school attendance. Such achievement can come from individual reading, military or industrial training, or adult upgrading courses.

Nova Scotia School Book Bureau

The School Book Bureau is the storage and distribution centre for close to 3,800 different texts and other learning materials prescribed for use in the public schools of Nova Scotia. Bulk purchasing procedures and central warehousing facilities of the Bureau ensure that these materials are made available to the boards at the lowest possible cost. A table giving details of the Bureau's operations is included in the statistical material at the end of this report.

Management Information Systems

During the period under review, the major activity of the Co-ordinator of Management Information Systems concerned the development of a finance module to support the work of the Commission on Public Education Finance. The Co-ordinator participated in the early stages of the implementation of the Commission's recommendations and continues to provide explanations to the school boards and municipal units of the changes resulting from the new funding formulas. Also in this period, a capital debt module was started

which will allow a closer monitoring of school capital debt and production of detailed schedules on repayments.

Several new automated systems were acquired during the year. The Publication and Reference word processing system was expanded to the Curriculum Development and Adult Education areas. Assistance was given to the Dartmouth Regional Vocational School in the installation of a computer for their data processing program. A review of the needs of the Nova Scotia Teachers College indicated that a word processing unit was justified there and management approval was given for this acquisition.

Inspection Services

The 11 divisional inspectors of schools and their assistants continued to counsel and assist school boards and their staffs in the application of provincial educational policy at the local level. This very significant role became still more important during the current year with the Government's acceptance of most of the recommendations of the Commission on Public Education Finance and the consequent need for dissemination of information about the new financing system and for negotiations concerning the reorganization of school boards.

At the request of the school boards concerned, teams consisting of staff from Inspection Services, Curriculum Development, School Planning and Conveyance, and Public Education Grants undertook comprehensive surveys of the Argyle, Clare, Glace Bay and Queens systems.

Three appointments were made to the professional staff of Inspection Services during the year: Mrs. Catherine Gardiner as Divisional Inspector for Cape Breton County and Northside-Victoria; Mrs. Eva Landry as Divisional Inspector for Inverness-Richmond; and Mrs. Kathleen McIntosh as Assistant Inspector for Halifax County.

School Construction

Twenty-two construction projects were completed and reported for grant purposes. Eleven of these were new buildings comprising 214 classrooms and 11 were additions comprising 34 classrooms.

New Buildings	Size of School	No. of Projects	Total Classrooms
	1–9 rooms	1	8
	10–19 rooms	7	116
	20 or more	3	90

Additions	No. of Projects	Total Classrooms
	7*	34

*Four projects were for other instructional areas such as gymnasiums, rather than classrooms.

Thirteen of these projects were for elementary schools, three were for junior high schools, three were for senior high schools, one was for a school teaching both junior and senior high grades, and two were for schools teaching grade levels from elementary to senior high.

Pupil Transportation

The province's 1,343 school buses travelled in excess of 14,000,000 miles during the year, transporting more than 95,000 students each school day.

Preventive maintenance programs, which were initiated 13 years ago, have increased the life span of school buses to 10 or more years. During the past year, one garage depot was constructed and plans were completed for another to be erected.

There was one fatality in the province in an accident involving a school bus; all other school bus accidents were of a minor nature. Various in-service seminars were held throughout the province for supervisors and school bus drivers on the subjects of maintenance of vehicles and safe driving habits.

During the month of May, the Eleventh Annual Pupil Transportation Conference was held in Dartmouth, with delegates attending from municipalities, education departments throughout the Atlantic Provinces, and industry representatives from Canada and the United States. The Dr. H.M. Nason Achievement Award for 1980 was presented to the Municipality of the District of St. Mary's.

Ethnic Services

During the year, Ethnic Services has worked with numerous ethnic groups, community organizations, educational institutions, and provincial and federal government departments and agencies, to assist in the development of programs and activities. Among the more significant of these were: continuation of the development of programs, course material and learning resources for all levels, with accompanying publications (including teacher's guides) on the Black and Micmac heritages in the province; production of audio-visual materials and posters on Black Heritage; development of teaching strategies for inclusion of ethnic studies in selected subject areas; preparation of a Teacher's Guide on Human Rights in Education; collaboration with the other provinces and territories in a national conference on multicultural education; collaboration with the Nova Scotia Teachers Union on a three-day workshop on multicultural education and production of a Handbook for Teachers on Multiculturalism; preparation of a departmental position paper on multiculturalism; facilitation of a multicultural youth seminar; assistance, upon request, to school boards and local schools in pilot programs and evaluation in ethnic studies, human rights education, multicultural studies and international and development education; assistance in the preparation of supplementary information concerning Africa, Asia, Latin America and the Caribbean for inclusion in the senior high school programs; and facilitation of the screening of learning materials for bias. External researchers, working on contract, were used for the production of some of the resource materials noted above.

Ethnic Services staff also served in leadership, resource, and participatory roles at a variety of local, national and international conferences, workshops, and seminars related to the work of this section.

Publication and Reference Service

Information was provided, and education information kits distributed in response to telephone and written inquiries and questionnaires from students, teachers, parents, media, other education departments or institutions, and the general public.

Publicity was arranged, and planning and reporting services provided, for meetings and conferences of various provincial, regional and national organizations and groups associated with education.

The period under review was the first full year of operation of the department's word processing facility, which has its central terminal located in the Publication and Reference section. Branch terminals are now located in the Curriculum Development and Adult Education offices. As staff gained experience in the operation of the equipment, it became evident that the expected benefits of speed and efficiency would be realized from the word processor.

General publications of the department included the annual directories of schools, the *Journal of Education* containing articles of general interest to teachers, and *Education Nova Scotia* containing official notices, articles on departmental policies, and miscellaneous information for teachers.

Assistance was provided by the Publication and Reference section to other sections of the department in the production of curriculum documents, course calendars, and newsletters.

Announcements requiring rapid distribution among educators throughout the province were issued as mimeographed releases.

3. ELEMENTARY AND SECONDARY EDUCATION

Curriculum Development

The staff of Curriculum Development continued to prepare recommendations on additions and deletions to the lists of authorized instructional materials, co-ordinate the updating and revision of courses of study for the public schools, and work on the development of new programs, related teaching guides, and in-service training for teachers. During the year, the vocational education aspect of Curriculum Development was made a separate section, with its own director.

Particular highlights of the year's activities in Curriculum Development are noted below.

Special Programs

The special programs staff of Curriculum Development participated as a member of the Atlantic Provinces Special Education Consultative Committee, formed by the Deputy Ministers of Education of the four Atlantic Provinces to assess the status of educational opportunities for learning disabled children in the Atlantic area and to develop appropriate guidelines for services to residential schools for such children.

In addition, the Nova Scotia government developed a policy on learning disabilities which is of importance in both the education and social services fields. One major effect of that policy to date has been the addition of a course in special education to the list of courses which will be required for teacher certification in Nova Scotia. An agreement with the Atlantic Provinces Special Education Authority provided for the accommodation of Nova Scotia children with severe learning disabilities under the program for funding residential school placements.

In-services were held in four areas of the province for all teachers of trainable mentally handicapped and educable mentally handicapped children. Regional in-services on the introduction of the adjusted program were also given during this time.

Guidelines on the adjusted program were completed during the year. Work proceeded on the development of curriculum guidelines for the intermediate industrial program and a learning disabilities handbook. In co-operation with Education Media Services, preliminary work was done on developing audio-visual productions suitable for both regular and special education staff on the special

education issues and practices.

Guidance Services

During the year, the computerized career information service (CHOICES) was expanded to 16 schools across the province. This service has been very well received by the participating schools and boards and in most areas is also used by continuing education students. The system supplies up-to-date career information and helps students make appropriate decisions on career paths and training.

A high school credit course called "Creating a Career" was approved and is now in operation in many schools. It had been successfully piloted in seven schools over a two-year period and was found very beneficial in helping students make wiser decisions and better adjustments to school.

Progress is being made in the co-operative development by Canada Employment and Immigration Commission, the department, and Acadia University of a new counsellor training program at Acadia. This program will benefit both school and employment counsellors and should contribute to the increased co-ordination of services.

In co-operation with Education Media Services, a new film on fisheries careers was developed. There was continued co-operation with officials from New Brunswick and Prince Edward Island on the production and use of bilingual career materials.

Acadian Education

The preparation of teaching guides in the French language continued with guides in French language arts (P-6), Home Economics, Arts (P-3) and (4-6), Drama (P-6) being completed for the elementary schools. At the secondary level, a new guide for Canada Studies was completed.

Learning materials in the French language arts program (P-6) have been greatly improved. The production of materials is increasing, but there is still an inadequate supply in some program areas.

The Acadian Section of Curriculum Development administers several bursary programs funded by the federal Department of the Secretary of State: (1) a summer language bursary program (immersion courses) through which 387 bursaries with a total value of $387,000 were awarded to Nova Scotia post-secondary students; (2)

a minority or second-language teacher bursary program with $77,000 in bursaries of varying amounts awarded to 102 teachers of French either as a minority language or a second language; (3) fellowships, and entrance and travelling bursaries to provide students with an opportunity for immersion in the milieu of their second language or to encourage official minority language students to pursue post-secondary studies in their own language. These bursaries were awarded to 98 students and had a total value of $99,800.

Secondary Vocational Education

Secondary vocational education within the province has been recognized as a high priority by government in the development of the province's resources, particularly in the offshore-related industries. To ensure that young Nova Scotians have the job skills required in the development of the province's land based and offshore resources, new and expanded programs are now being established in several regional vocational schools. Courses in marine diesel, marine electronics, pipe welding, stockroom inventory control, gasfitting and millwrighting are now in the implementation stage.

The field of computer technology continued to grow in importance. Data processing and programming courses will need to be expanded in order to provide not only general knowledge computer courses, but a base on which the computer technologists of tomorrow can be trained.

Close co-operation was maintained between the Nova Scotia Department of Labour and Manpower and the Department of Education in the identification of need by Manpower and the delivery of service by Education.

4. PROGRAMS AND SERVICES FOR ADULTS

The Department of Education, through its Adult Education Program, makes available vocational training and certificate and diploma programs in applied arts and technology. The latter programs are offered at the Nova Scotia Nautical Institute, the Nova Scotia Land Survey Institute and the Nova Scotia Institute of Technology, which also provides training in the apprenticeable trades. Vocational training programs for adults are offered through two adult vocational training centres in Dartmouth and in Sydney, as well as in approximately 25 smaller centres throughout the province. The Adult Education division also co-operates with school boards and with voluntary groups in providing continuing education services of an academic, vocational, and general interest nature through classes, community schools and seminars. Correspondence study courses are provided in academic and vocational subjects, and a program of special assistance in counselling, training, and education is provided for disabled persons.

The above programs and services continued to be made available to adult Nova Scotians during 1980-81, with a shift in emphasis toward trades and technology training designed to prepare people for employment in the resource sector and, in particular, in offshore exploration and development. Further detail is given in the following sections.

Trades and Technology Education

Trades and technology programs were offered at both certificate (10-month post-secondary) and diploma (20-month post-secondary) levels to meet the needs of the province for para-professionals in engineering technology, medical and dental technologies, surveying and mapping technologies and various levels in the marine transportation fields.

Apprenticeship programs to meet the increasingly complex trades requirement were offered in response to the expressed needs of the Apprenticeship Branch of the Department of Labour and Manpower. A number of programs accommodated clients of Canada Employment and Immigration in both the trades and various skill development areas.

Adult Vocational Education

Courses for students referred by the Canada Employment and Im-

migration Commission were offered in the training centres in Dartmouth and Sydney and at various module locations throughout the province at the request of the Commission. These programs included academic upgrading and skill development, employment-oriented courses.

The overall enroiment of students in these programs increased to 11,562 in 1980-81 from 11,141 in 1979-80. Male enrolments increased by 58 (0.7 per cent) whereas female enrolments increased by 363 (12.8 per cent).

These training arrangements were offered under the terms of the Adult Occupational Training Act and were funded by the federal government. Students were recruited and referred for training by Canada Employment Centres. Curriculum, facilities, staff and instruction were provided by the Adult Education Division of the Department of Education.

Academic upgrading and skill development courses were also offered at the Springhill Medium Security Institution under the terms of a contract with the Solicitor General's Department. These courses were administered through the Dartmouth Adult Vocational Training Centre.

Course Development and Evaluation

The Program Services section of Adult Education worked on the development of three vocational courses, continuation of modular development for the Apprenticeship Branch of the Department of Labour and Manpower in six trades, and the operation of an expanded project in concurrent generic training (that is, training in general areas such as mathematics, provided, if required, while the student is taking specialized trades training). Experimental concurrent generic projects were operated in both the Cape Breton Adult Vocational Training Centre and in the Dartmouth Vocational Training Centre and its South Armdale Module.

Evaluation workshops were conducted for the teaching staff members in four training institutions. The workshops were designed to train instructors to develop evaluation procedures to conduct ongoing evaluation of courses.

Assistance in co-ordinating training programs was given to outside agencies such as the Police Association, the Department of Lands and Forests, the Department of Health and Welfare, and DEVCO.

Staff Development

Staff development activities included a welding workshop for all welders in the Adult Education program and the vocational schools, an introduction to computers for teaching and administrative staff, and short courses for the clerical staff through the Civil Service Commission.

Private Trade Schools

Twenty private trade schools were registered in the province in 1981. The Supervisor of Private Trade Schools made at least two monitoring visits to each school and served as host for a conference of the Canadian Council of Provincial Administrators of Private Trade and Vocational Schools.

Continuing Education

The department assisted 51 school boards in providing educational services to 26,451 adults enrolled in classes of academic upgrading, vocational education, health and physical education, homemaking and family life, and personal development. In addition, the department co-operated with the Department of the Secretary of State and school boards in organizing 49 second-language classes with a total enrolment of 727.

Interest in community schools has continued, with grant assistance and consultation services provided by the department. Fifty-four community schools were in operation, with approximately 32,706 persons enrolled during the year.

In addition to providing grants to school boards offering literacy education programs, the department assisted with 12 workshops for the training of volunteer reading aides. One hundred and ninety-four persons received training under the program and over 335 persons received literacy tutoring. In addition, materials were provided to literacy councils for the organization of training programs.

Regional staff provided consultative services to 45 school boards; made available counselling and advisory services to 2,755 persons visiting regional offices and to 13,253 persons by telephone; provided educational services to 115 regional and provincial organizations; assisted over 480 persons through the Community Worker Program; provided consultation and administered funding

to 54 community education projects, not including community schools, with an enrolment of over 10,000; arranged for General Educational Development Tests for 2,252 persons; assisted with the organization of 72 regional and provincial conferences; and organized 45 supervisory and business management courses with 775 persons enrolled. Increased support has been provided to senior citizens through pre-retirement seminars and consultative services to senior citizens groups.

Disabled Persons Training

The Department of Social Services referred 267 disabled persons to the Department of Education for training. Of these, 225 were trained in vocational areas and 42 were enrolled in non-vocational courses.

Correspondence Study and Extension Services

As of July 1, 1980, there were 2,107 registrations for public school correspondence courses with an additional 2,157 registrations during the year. There were 379 registrations as of July 1, 1980 for vocational and general interest correspondence courses, with an additional 419 registrations during the year.

During 1980-81, Extension Services of the Nova Scotia Institute of Technology offered 30 programs to the general public for a total of 66 courses with an enrolment of 1,049.

5. TEACHERS

Nova Scotia Teachers College

Throughout the summer and fall of 1980, Teachers College staff held meetings with representatives of Nova Scotia universities and colleges having schools of education. These meetings were called by the Maritime Provinces Higher Education Commission to discuss possible arrangements for providing a means by which graduates of the three-year Nova Scotia Teachers College Associate in Education program could obtain degree status. These arrangements have been completed and Teachers College graduates can now obtain a B.Ed. degree through a further year of study at one of the co-operating universities. The degrees will be awarded jointly by the Teachers College and the university.

A major review of the total Nova Scotia Teachers College program was begun this year. The review will involve a careful examination of the present program, a study of current research in the area of effective teaching, and a compilation of promising practices used by teacher education institutions of acknowledged excellence. In light of this information, the College will evaluate its present program and make changes, as necessary, to provide the best possible training for teachers to serve in the schools of Nova Scotia.

As part of a continuing effort to eliminate duplication of training programs, the College's home economics program was ended this year. The first year of the three-year Micmac Teacher Education Program to train Micmac teacher candidates to the Associate in Education level was completed most successfully, with 23 students enrolled. The College continues to co-operate with the Department of Social Services on the Child Development Services program. In total, there were approximately 400 students enrolled in the full-time programs of the College.

In spite of the relatively small number of teaching positions available in the province, the College continues to attract candidates for the teaching profession. Some obtain jobs in the province, and some must teach elsewhere until opportunities once more arise at home. Meanwhile, the College strives not only to keep abreast of current developments, but also to meet the educational challenges of the future. This is seen, for example, in its microcomputer courses for both practising teachers and student teachers. The College's value to the teaching profession in the province is attested to, not only by a continuing high level of applications for admission to the pre-service program, but also by the con-

tinuing success of the in-service credit and non-credit programs.

Professional Development

Two special programs were offered by the Nova Scotia Summer School, with 129 students in the Educational Leadership Program and 84 students in the Vocational/Technical Teacher Education Program.

The enrolment in the Nova Scotia Vocational/Technical Teacher Education Summer School included 30 students from regional vocational schools, five from the hospitals, 14 from applied arts and technology teaching institutions, four from the Department of Fisheries, one from the Department of Tourism, 22 from Adult Vocational/Manpower, and eight from the high schools.

Co-operation in in-service training was maintained with the specialist associations of the Nova Scotia Teachers' Union, teacher training institutions, the Atlantic Institute of Education, and various other organizations concerned with raising professional standards. The staff of the department were particularly concerned with the provision of in-service related to the dissemination of new or revised guidelines for school programs and the interpretation of these guidelines to administrators and teachers. The pattern employed in these in-service programs was to provide a training session where a relatively small number of local personnel received training which would then be used to train others. Departmental personnel who provided leadership in such sessions assumed responsibility also for providing advice and assistance as required during the initial follow-up stages.

Teacher Certification

Some 1,166 experienced teachers received higher certificates on the completion of further study.

Regular certificates, special certificates, and permits were issued as follows:

Teachers' Certificates,	Class 8	—	64
	Class 7	—	174
	Class 6	—	643
	Class 5	—	1,455
	Class 4	—	571
	Class 3	—	97
	Class 2	—	23
	Class 1	—	3
Under Regulation 77A & B		—	31
Vocational Teacher's Certificates		—	70
Teaching Permits		—	30
Vocational Teaching Permits		—	34
		TOTAL	3,195

Second Language Monitor Program

The Second Language Monitor Program, funded by the Secretary of State and jointly administered by the Council of Ministers of Education, Canada, and the provinces, was active in Nova Scotia. Thirty-one university students whose mother tongue is French worked part-time in the public schools of Nova Scotia, assisting teachers of French as a second language in the regular curriculum in Halifax, Dartmouth, Halifax County, Antigonish, Antigonish County, Colchester-East Hants, Kings County, and the District of Clare. In addition, some of these students worked in French immersion programs in Halifax.

Teachers' Pensions

The number of pensioners increased this year by approximately 217 (6.6 per cent), for a total of approximately 3,489.

The rate of interest for the school year commencing August 1, 1980, on contributions payable for purchase of past teaching service, was increased from 9 per cent to 9.25 per cent per annum compounded semi-annually.

In accordance with provisions of current regulations, all existing pensions were increased by 6 per cent effective January 1, 1981.

6. EDUCATION RESOURCE SERVICES

Nova Scotia Museum System

The highlight of the year was the completion of construction of the Maritime Museum of the Atlantic in Halifax, and of extensive renovations to the Fisheries Museum of the Atlantic in Lunenburg. Official openings are scheduled for early in 1982.

Attendance totalled over 500,000 at the Nova Scotia Museums during 1980-81. Many improvements and expansions took place in the museum system. The Meeting House at Barrington became a part of the Nova Scotia Museum complex. At Sherbrooke Village, work progressed on the restoration of Greenwood Cottage and the renovation of the Sherbrooke Hotel to provide new eating facilities in the village. The expansion program at the Fisheries Museum of the Atlantic continued with the extension of mechanical and electrical services throughout the complex. Training programs for local staff were held at Sherbrooke Village, Prescott House and Balmoral Mill. At Ross Farm, the "Peddler's Shop" was set up to serve as a sales outlet for the farm and the community. An oral history program at Jeddore increased visitors' knowledge of the history which is represented at the Fisherman's Life Museum. Electronic fire and intrusion detection systems were installed in several of the historic properties.

Substantial improvements to the facilities of independent local museums also took place during the year. Extensive renovations to the MacDonald Elementary School at Middleton were begun in preparation for the opening of the building as the Annapolis Valley MacDonald Museum. The new Simeon Perkins Museum, operated by the Queens County Historical Society, was opened on the grounds of Perkins House. At Amherst, the Amherst Township Historical Society opened Grove Cottage, the home of a Father of Confederation, as the Cumberland County Museum. A fire at the Miners' Museum in August, 1980 will necessitate a total rebuilding of that museum. Among seasonal museums, additions or improvements were made at Bridgetown, Inverness, Kentville, Tatamagouche and Iona.

There were two major moves within the History Section of the Nova Scotia Museum during the year. On May 4, 1981, a move began from the Halifax Citadel, where the History Section was established in 1955-56, and the Marine History section had a phased move of collections and staff to the new Maritime Museum from Summer Street, where they have been located since 1970. The Museum con-

tinued to fulfil the requirement to record the Nova Scotia Museum history collections (including archaeology) for the National Inventory Program. During the year, an inventory was taken of significant items in the collections of Government House, at the request of the Department of Government Services. Preparations were also carried out for the implementation of the Special Places Protection Act.

Significant progress has been made with the rehousing of the geological collections and cataloguing of minerals and the economic mineral samples; however, much work remains, particularly in petrology and paleontology. New material was acquired in all groups and included examples of fossil footprints. In botany, the collections were maintained in good order and new material was added. A notable donation was a collection of 1,200 specimens of different types of wood, from Mr. Gerald Crosby of Lockeport. In zoology, some marine survey collections were transferred to the National Museum of Natural Sciences. Visiting scientists have made use of the collections and provided valuable revised identification in several groups. A major donation was the seashell collection of Miss Letha Allen of Yarmouth.

A program of French translation, jointly funded by the Secretary of State and the Nova Scotia Department of Education, commenced this year and a translator and bilingual stenographer were hired. While high priority is being given to translating Nova Scotia Museum school loan materials, a major additional project was the translation of the Salt Marsh exhibit materials, produced for national circulation by the Nova Scotia Museum.

School classes were offered at the main branch and planetarium on 17 topics, with demand far outweighing space and the supply of museum-trained teachers. A total of 11,306 students attended these classes, while it is estimated another 10,000 visited the museum on their own. At the other branches of the Nova Scotia Museum, 15,023 students were counted, for a total of 36,329 students making class visits to the Nova Scotia Museum complex.

For the first time, a catalogue of learning resources was compiled, listing the museum's school loans, school classes, branch museums, publications, and "Info" series. This was printed as a supplement to *Education Nova Scotia*, the department's official bulletin for teachers, thus supplying every teacher in the province with a comprehensive list of museum resources.

School loan materials were distributed from 13 centres across the province. With loans up approximately 25 per cent from 1979-80, it is estimated that 45,000 students across the province used Nova Scotia Museum materials in their classrooms over the year.

Demands for teacher in-services and leader training sessions increased; among those receiving assistance were art educators, science teachers in training, librarians, classroom teachers, and girl guide leaders.

A bi-monthly program of events offering a variety of public programs based upon Nova Scotia Museum exhibits and collections continued to attract a wide cross-section of local residents. These events, along with three regular radio spots, helped to increase awareness of the museum and its programs among the public.

The activities of the Nova Scotia Museum Library during the period under review followed the usual pattern of expanding, recording and repairing the book and periodical collection, providing reference service to the Museum staff, and contributing to the Museum's education programs through the preparation of bibliographies, book reviews, and library-use instructional talks.

The following publications were printed during the year: *Handwoven Hats: A History of Straw, Wood and Rush Hats in Nova Scotia* by Joleen Gordon; *Country Colours; a Guide to Nova Scotia's Natural Dyes* by Carolyn Lock; *Basic Weaving* by Polly Greene; and *Mskegooakade* (Marshlands) by C.R.K. Allen.

Nova Scotia Provincial Library

Task Force on School Libraries

Appointed by the Minister in June, 1979, the Task Force on School Libraries completed its report and recommendations and submitted these to the Minister on March 30, 1981. Major recommendations were that resources be made available to enable those areas with little or no school library service to catch up as soon as possible, and that regional co-operation be instituted among school boards in an effort to provide adequate library service in close co-operation with existing regional libraries, particularly in the provision of technical services.

Automation of Technical Services

This was a year of significant change for Technical Services and the libraries it serves. In November, 1980, the Provincial Library joined the University of Toronto Library Automation System, an on-line bibliographic utility providing instant access to a data base of more than 12 million bibliographic records. By adapting these records and adding location symbols, a Nova Scotia Regional Libraries

machine-readable file is being created from which various information products (card sets, microfiche catalogue, etc.) can be produced.

This conversion from a manual to an on-line automated system, as well as the adoption of the new Anglo-American cataloguing code, was accomplished with no interruption in service to the regional libraries and the Provincial Library. A total of 49,361 volumes were processed and 11,179 new titles were catalogued and classified.

Reference Services

The 1976-78 Minister's Task Force on Libraries recommended a review of Provincial Library services and structure. The new budgeting system introduced by the provincial government provided the tools for a review of this nature and, as a result, the Reference Services section took over the previous responsibility of the Teachers' Library for maintaining an educational reference collection and for providing educators with information retrieval services from this collection and from on-line databases. Centralized back-up reference and interlibrary loan services have now been extended to school libraries.

Productivity continued to increase as staff coped with a 16 per cent increase in interlibrary loans and an 18 per cent increase in reference requests; however, the number of additions to the book collections of the province's libraries, as reported to the Nova Scotia Union Catalogue, decreased by 15 per cent. This reflects reductions in book budgets by libraries in the province.

Public Libraries

Three new branch libraries were opened during the year and one moved to new quarters. The Deputy Minister of Education officiated at the Sheet Harbour Library opening on January 21 and the Minister participated in the inauguration of regional library service in the Town of Liverpool on February 3 and, on July 8, declared the Meteghan Library open. The Minister also participated in ceremonies on May 4 marking the move to new quarters of the Pictou Library. Unfortunately, fire destroyed the building three weeks later.

School Libraries

Encouraging signs of library development in schools were noted in Richmond County, the District of St. Mary's, Windsor, the Timberlea area of Halifax County, Bridgewater, the District of Chester, and Yarmouth County including the District of Argyle. During the period covered by this report, the Co-ordinator visited, and worked with, 28 developing school libraries in the province.

Materials from the former Teachers' Library were transferred to the Nova Scotia Teachers College, Ethnic Services, the Resource Centre of the Department of Culture, Recreation and Fitness, the Art Gallery of Nova Scotia, the Nova Scotia College of Art and Design, and a number of school libraries.

Library Week

This was the first year in which Library Week was celebrated in Nova Scotia, and the chosen theme was, "Your Libraries, a Heritage for the Future." The Minister of Education officially opened the week at a ceremony in the Provincial Library on January 19. To commemorate the occasion, the Minister presented to each regional library a set of the *Consolidated Statutes of Nova Scotia*. The Provincial Library's Reference Services Section Co-ordinator was assigned the overall co-ordination of Library Week planning and implementation.

Education Media Services

During the year an agreement was reached with the other Maritime Provinces under the aegis of the Council of Maritime Premiers, under which Education Media Services will be involved in 10 co-operative projects for the production of educational materials.

The film library increased its bookings by eight per cent for a total of 65,436. Over 800 new films were added to the library as well as approximately 300 new videotapes. Schools called on Media Services to repair approximately 2,000 pieces of equipment.

Apart from projects undertaken on behalf of the Museum, the Design/Print and Photographic sections were involved in the production of a series of safety posters, an Atlantic geography kit, and filmstrips for career education, junior high civics, social studies and special education.

Schools received the first broadcasts of the educational television series *Mi'Kmaq* on the life of the Micmac people before the arrival of Europeans and reaction was very favorable. Planning is now under way for a similar series on the Acadians.

7. UNIVERSITIES AND COLLEGES

Aid to Institutions

Operating grants to universities and colleges in the 1980-81 fiscal year totalled $103,198,194, an increase of $10,368,171 over the total of $92,830,023 for the preceding year. Details are provided in the table below. In addition, restricted grants of $5,588,240 were provided for renovations, alterations and equipment. This compares with $5,289,377 in 1979-80.

Loans totalling $1,775,000 for two new capital projects were approved during the year; one for major renovations to the Carnegie Hall Building at Acadia University, and the other for renovations to the McNally Building at Saint Mary's University. Capital projects which neared completion during the reporting year were the socio-athletic complex at Mount Saint Vincent University and the Oland Centre at Saint Francis Xavier University.

Enrolments in universities and colleges in Nova Scotia in 1980-81 were as follows:

	1980–81	1979–80
Full-time enrolment		
Degree	18,812	18,317
Technical	918	870
Full-time equivalent of part-time enrolments (all degree students)	3,224	3,218
Totals	22,954	22,405

Details of the composite enrolments of full-time and part-time students for degree and technical students are:

Universities and Colleges	1980-81	1979-80
(a) Degree Students		
Acadia University	3110	3010
Atlantic Institute of Education	37	14
Atlantic School of Theology	129	120
College of Cape Breton	941	980
Dalhousie University	7874	7722
Mount Saint Vincent University	1849	1898
Nova Scotia Agricultural College	179	167
Nova Scotia College of Art & Design	519	522
Nova Scotia Teachers College	631	642
Saint Francis Xavier University	2329	2243
Saint Mary's University	2934	2744
Technical University of Nova Scotia	819	794
Université Sainte-Anne	304	293
University of King's College	381	386
Total — Degree Students	22,036	21,535
(b) Technical Students		
College of Cape Breton	529	505
Nova Scotia Agricultural College	262	266
Nova Scotia Land Survey Institute	127	99
Total — Technical students	918	870
Total — All students	22,954	22,405

Assistance to Universities

	1980-81	1979-80
Acadia University	$ 9,835,563	$ 8,688,853
Atlantic Institute of Education	759,100	692,873
Atlantic School of Theology	356,152	302,645
College of Cape Breton	5,954,996	5,341,410
Dalhousie University	48,278,296	43,631,696
Mount Saint Vincent University	4,829,412	4,203,823
Nova Scotia Agricultural College (1)	1,234,320	1,137,970
Nova Scotia College of Art & Design	2,202,015	1,969,304
Nova Scotia Land Survey Institute	600,600	573,229
Nova Scotia Teachers College	3,849,270	3,760,698
Saint Francis Xavier University	8,487,511	7,678,650
Saint Mary's University	9,360,469	8,463,187
Technical University of Nova Scotia	5,290,048	4,464,312
Université Sainte-Anne	1,365,894	1,241,276
University of Kings College	794,548	680,097
	$103,198,194	$92,830,023
Foreign Student Recoveries	$ 612,225	$ 404,700
Non-space, Alterations and Renovations Grants	$ 5,588,240	$ 5,289,377
University Debt Charges Grants	$ 7,724,765	$ 7,174,221

Note (1) — For university level only; does not include financial support for the technical side of the College.

Student Aid

The Student Aid Section of the Department of Education administers the Nova Scotia Bursary Program and the Canada Student Loan Program. During the 1980-81 academic year the Nova Scotia Bursary was increased by $500 to a maximum of $1,700 annually, compared with a maximum of $1,200 in 1979-80. As a result of this increase, assistance available to eligible post-secondary students during the 1980-81 academic year consisted of a maximum of $1,800 in the form of a federally-guaranteed Canada Student Loan and a maximum of $1,700 in the form of a Nova Scotia Bursary, for a combined total of $3,500.

Again this year, personnel from the Student Aid Office continued their practice of visiting the high schools in the province to explain the Canada Student Loan and Nova Scotia Bursary Programs to the graduating classes.

Student aid awarded during the reporting period was as follows:

	1980-81	1979-80
Assistance awarded		
Canada Student Loan	$12,248,000	$11,670,000
Nova Scotia Bursary	7,522,295	5,294,090
	$19,770,295	$16,964,090
Students assisted		
Canada Student Loan	8,153	7,999
Nova Scotia Bursary	6,257	5,810
Average aid per student		
Canada Student Loan	$1,502	$1,459
Nova Scotia Bursary	$1,202	$ 911
Average total aid per student	$2,425	$2,120

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Summary of Statistics
(Compared with Preceding Year)

		Inc.	Dec.
School Boards	84		
School Houses	610		5
Teachers (September)	11,444		58
Pupils (September)	190,478*		3600
Average Number of Pupils per Teacher	16.6		0.3
Vocational and Technical Enrolments			
Regional Vocational Schools	6512		1
Adult Vocational Training Centres and Modules	4197		38
Adult Vocational Training Courses in Other Institutions	7365	459	
Technology Courses	1734	70	
Expenditures on Public School Education			
Municipal Expenditures	$127,408,434	$ 4,832,934	
Provincial Government Expenditure	329,464,255	31,256,590	
Total	$456,872,689	$36,089,524	
Per Capita Expenditure for Total Population of Nova Scotia	$534.23	$37.50	
Percentage of Provincial Government Expenditure in Total	72.1%	1.2%	

*Includes students in regional vocational schools.

TABLE 1 — HISTORICAL AND COMPARATIVE STATISTICS

(A) — Before the Free School System

YEAR	Average No. of Teachers Winter and Summer	Average Number of Pupils Enrolled Winter and Summer	Local Funds $4–£1	Provincial Grants $4–£1	Total Cost of Schools	Cost per Pupil	REMARKS
1820	.....	.....	$.....	$.....	$34,720	$.....	Common Schools only
1835	530	15,292	49,813	27,323	77,136	5.04	
1847	1041	34,729	93,172	43,394	136,566	3.93	
1857	1002	34,356	128,222	53,519	181,741	5.29	Common and High Schools

(B) — Under the Free School System — Semi-Annual Term

	No. of Teachers	Net Enrolment in Public Schools (June)	Average Daily Attendance	Percentage of Net Enrolment in Daily Attendance	Amount of Local Levy for Public Schools	Municipal School Fund	Provincial Expenditures	Annual Cost of Public Education	Annual Cost per Pupil in Average Daily Attendance
T.H. Rand									
1865	916	39,461	23,572	60.0	$124,673	$.....	$ 93,263	$217,936	$ 9.25
A.S. HUNT									
1870	1,569	75,279	42,177	56.0	266,160	91,762	174,602	532,524	12.62
D. ALLISON									
1880	1,809	76,393	42,580	55.7	281,561	107,181	196,217	584,959	13.74
1890	2,214	85,482	49,206	58.0	377,529	118,349	213,434	709,312	14.29

TABLE 1 — (C) Under the Free School System — Annual Term

A.H. MacKay									
1900	2,557	100,129	56,224	56.1	519,620	119,923	248,309	887,852	15.79
1910	2,723	102,035	65,630	64.3	761,013	146,936	357,282	1,265,233	19.26
1920	3,015	108,096	66,442	61.6	1,978,242	224,025	500,405	2,702,673	40.67
H.F. Munro									
1930	3,448	113,860	85,080	74.8	2,529,293	523,876	916,856	3,970,025	46.67
1940	3,686	117,167	93,359	79.6	2,900,290	516,616	1,304,521	4,721,427	50.57
H.D. Hicks									
1950	4,913	130,398	111,818	85.4	5,456,717	577,343	7,583,353	13,617,413	121.78
R.M. Fielding									
1955	5,345	151,652	136,496	90.0	9,405,576		9,739,799	19,145,375	140.26
1956	5,586	156,847	140,394	89.5	10,530,309		11,353,744	21,884,053	155.88
R.L. Stanfield									
1957	5,766	160,269	144,755	90.3	11,127,166		14,180,091	25,307,257	174.83
M.S. Leonard									
1958	5,913	*164,255	147,252	89.6	12,515,130		15,181,792	27,696,922	188.09
1959	6,177	*171,386	153,795	89.7	14,112,132		16,615,861	30,727,993	199.80
R.L. Stanfield									
1960	6,432	*177,121	161,364	91.1	16,679,178		19,020,230	35,699,408	221.24
1965	7,665	199,095	181,419	93.7	25,152,612		31,046,659	57,199,271	(*)315.29
1967	8,274	204,842	187,207	91.3	30,142,536		41,831,736	71,974,272	(*)384.46
G.J. Doucet									
1968	8,686	208,343	188,568	91.5	32,596,200		55,323,987	87,920,187	(*)468.00
1969	9,320	214,590	185,602	91.0	36,776,900		65,793,957	102,570,857	(*)526.09
1970	10,011	219,794	192,286	**93.5	41,988,900		73,468,675	115,457,575	(*)600.45
P.M. Nicholson									
1971	10,604	221,961	197,506	**93.0	49,589,100		95,940,973	145,530,073	(*)673.22
1972	10,351	220,925	198,827	**93.0	54,819,100		106,316,994	161,136,894	(*)752.86
A.E. Sullivan									
1973	10,541	220,360	207,534	**93.0	57,020,800		119,987,006	177,007,806	(*)797.84
J.W. Gillis									
1974	10,998	215,005	195,708	**92.7	64,110,177		138,503,593	202,613,770	(*)941.68
1975	11,375	211,364	192,828	**93.0	70,993,481		165,285,564	236,279,045	(*)1,217.83

TABLE 1 — (C) Under the Free School System — Annual Term

	No. of Teachers	Net Enrolment in Public Schools (June)	Average Daily Attendance	Percentage of Net Enrolment in Daily Attendance	Amount of Local Levy for Public Schools	Municipal School Fund	Provincial Expenditures	Annual Cost of Public Education	Annual Cost per Pupil in Average Daily Attendance
M.C. MacAskill									
1976	11,658	209,224	187,108	**92.8	83,626,700		204,671,865	288,298,565	(*)1,440.66
G.M. Mitchell									
1977	11,370	209,184	187,395	**93.1	95,108,600		230,805,708	325,914,308	(*)1,637.48
T.R.B. Donahoe									
1978	11,476	204,925	184,405	**92.9	102,097,400		248,745,580	350,842,980	(*)1,813.59
1979	11,527	200,665	180,418	**92.3	113,906,000		270,225,739	384,131,739	(*)2,033.22
1980	11,502	196,636	175,536	**93.0	122,575,500		298,207,665	420,783,165	(*)2,292.73
1981	11,444	*190,478			127,408,434		329,464,255	456,872,689	

* September Enrolment

**Percentage Attendance (actual to possible)

(*)Expenditure for Public Education less expenditure for Adult Education and Student Aid.

TABLE 2 — SCHOOL FINANCE
(Combination of Calendar and Fiscal Year)
(a) Municipal Expenditure (to 1969)

Calendar Year	Expenditures from Municipal School Board Revenue	Expenditures from Boards of School Commissioners	Total	Increase Over Preceding Year
1955	$ 3,611,675	$ 6,918,634	$10,580,309	$1,124,733
1960	8,610,795	10,685,173	19,295,968	2,616,790
1961	8,423,329	12,397,159	20,820,488	1,524,520
1962	9,520,813	13,999,529	23,511,342	2,690,854
1963	9,913,433	14,467,178	24,380,611	869,269
1964	10,963,480	15,199,132	26,152,612	1,772,001
1965	11,435,608	16,495,189	27,930,797	1,788,185
1966	12,626,274	17,514,262	30,142,536	2,211,739
1967	13,003,700	19,592,500	32,596,200	2,453,664
1968	15,060,100	21,726,800	36,776,900	4,180,700
1969	14,318,000	27,670,900	41,988,900	5,212,000

TABLE 2 — SCHOOL FINANCE
(Combination of Calendar and Fiscal Year)
(b) Municipal Expenditure (1970–80)

Calendar Year	Municipal School Boards	Expenditures Boards of School Commissioners	Amalgamated School Boards	Total	Increase Over Preceding Year
1970	$14,302,900	$29,415,900	$ 5,870,300	$ 49,589,100	$ 7,600,200
1971	16,088,400	32,629,400	6,102,100	54,819,900	5,230,800
1972	16,041,500	34,470,600	6,508,700	57,020,800	2,200,900
1973	17,593,362	38,933,745	7,583,070	64,110,177	7,089,377
1974	20,953,185	41,849,423	8,190,873	70,993,4c1	6,883,304
1975	25,805,200	47,896,400	9,925,100	83,626,700	12,633,219
1976	26,626,800	57,464,100	10,697,700	95,108,600	11,481,900
1977	30,939,800	60,138,300	11,019,300	102,097,400	6,988,800
1978	35,066,300	65,889,000	12,950,700	113,906,000	11,808,600
1979	39,395,100	69,072,300	14,108,100	122,575,500	8,669,500
1980	39,750,622	71,651,765	16,006,047	127,408,434	4,832,934

TABLE 2 — SCHOOL FINANCE (continued)
(c) Departmental Expenditure

Fiscal Year Ending in	Government Expenditure on Education	Increase in Interval Indicated
1900	$ 248,309	
1915	407,213	$ 158,904
1930	916,856	449,643
1945	2,889,648	1,972,792
1960	19,020,230	16,130,582
1965	31,046,659	12,026,429
1970	73,468,675	7,674,718
1971	95,940,973	22,472,298
1972	106,316,994	9,376,021
1973	119,987,006	13,670,012
1974	138,503,593	18,516,587
1975	165,285,564	26,781,971
1976	204,671,865	39,386,301
1977	230,805,709	26,133,844
1978	248,745,580	17,939,871
1979	270,225,739	21,480,159
1980	298,207,665	27,981,926
1981	329,464,255	31,256,590

TABLE 2 — SCHOOL FINANCE (continued)
(d) Departmental Expenditure by Vote

Senior Management Group		
Grants Administration	$ 416,833.94	
Grants to Societies and Organizations	384,331.47	
Special Services	79,086.17	
Other Activities	63,735.86	
TOTAL		$ 943,987.44
Planning and Budgeting		
School Grants and Assistance	251,571,064.87	
Nova Scotia School Book Bureau	3,060,814.92	
Teachers Pensions	18,421,373.20	
Student Aid	7,522,295.74	
Other Activities	2,079,972.59	
TOTAL		282,655,521.32
Curriculum Development		
Secondary Vocational Education	18,039,015.99	
Minority Language Programs	2,448,044.43	
Other Activities	1,526,644.82	
TOTAL		22,013,705.24
Education Resource Service		
Nova Scotia Libraries	3,820,143.54	
Nova Scotia Museums	3,192,665.07	
Other Activities	703,118.32	
TOTAL		7,715,926.93
School Planning and Inspection		1,132,292.82
Adult Education		14,179,417.82
Teacher Education		419,554.59
Program Services		403,848.46
Total		$329,464,254.62

TABLE 2 — SCHOOL FINANCE (continued)

(e) Total Expenditure on Public School Education

	1980–81	1979–80	Increase
MUNICIPAL EXPENDITURE	$127,408,434	$122,575,500	$ 4,832,934
DEPARTMENTAL EXPENDITURE	$329,464,255	$298,207,665	$31,256,590
TOTAL EXPENDITURE ON EDUCATION	$456,872,689	$420,783,165	$36,089,524

TABLE 2 — SCHOOL FINANCE (continued)
(f) Analysis of Expenditure

	Total Expenditure On Education	Per Capita Expenditure On Education	Expenditure Per Pupil In Average Daily Attendance**	Percentage of Government Expenditure in Total
School Year				
1900	$ 887,852		$ 15.97	27.9
1915	1,642,114		23.34	24.7
1930	3,970,025	$ 7.21	46.67	23.1
1945	6,937,017	12.00	73.93	41.7
Calendar Year				
1960	40,645,927	55.68	242.95	52.5
1965	62,226,133	84.43	*335.73	55.1
1970	145,530,073	189.99	*673.22	65.9
1971	161,136,894	204.23	752.86	66.0
1972	177,007,806	222.79	797.84	67.8
1973	202,613,770	256.81	941.68	68.4
1974	236,279,045	299.48	1,127.83	70.0
1975	288,296,565	350.73	1,440.66	71.0
1976	325,914,308	392.67	1,637.48	70.8
1977	350,842,980	418.12	1,813.59	70.9
1978	384,131,739	452.72	2,033.22	70.4
1979	420,783,165	496.73	2,292.73	70.9
1980	456,872,689	534.23		72.1

* Recalculated. Adjusted to reflect addition of Regional Vocational Schools attendance.
**Expenditure per pupil for years 1965-1979 inclusive calculated on total expenditure on education less expenditure for (a) adult education, (b) student aid.

TABLE 3 — SCHOOL BOARDS, SCHOOL HOUSES, TEACHERS (SEPTEMBER 1980)

	Number of School Boards	Number of Schools	Number of Teachers Excluding Subs	No. of Teachers with Teacher Training Diplomas	No. of Teachers with University Degrees
Amalgamated Boards	3	104	1,889	1,888	1,108
Municipal Boards	20	292	4,459	4,459	3,123
Urban Boards	33	181	4,019	4,019	3,031
Regional Boards	17	22	649	648	515
Regional Vocational Boards	11	11	428	428	131
Total All School Boards 1980-1981	84	610	11,444	11,442	7,908
Total All School Boards 1979-1980	84	615	11,502	11,494	6,824
Increase	—				1,084
Decrease	—	5	58	52	

TABLE 4 — PUPILS CLASSIFIED BY AGE, GRADE, AND SEX
(SEPTEMBER 30, 1960)

	Age 5 and Under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and Over		Total Students
Grade P	6,495	499	19	5		1												M	7,019
	5,985	290	20	1	13													F	6,309
	12,480	789	39	6	13	1												T	13,328
Grade 1	59	5,762	852	83	8		1											M	6,765
	68	5,705	497	45	4	1												F	6,320
	127	11,467	1,349	128	12	1	1											T	13,085
Grade 2		109	5,634	1,104	151	18	3											M	7,019
		141	5,762	636	82	7	2	1										F	6,633
		250	11,396	1,742	233	25	5	1										T	13,652
Grade 3			143	5,512	1,397	213	23	6	1	1								M	7,296
			196	5,649	778	86	13	2	2									F	6,726
			339	11,161	2,175	299	36	8	3	1								T	14,022
Grade 4				152	5,507	1,380	312	53	7	1								M	7,442
				225	5,858	840	183	16	1									F	7,123
				407	11,365	2,220	495	69	8	1								T	14,565
Grade 5				2	241	5,120	1,371	371	76	13	4							M	7,198
				1	279	5,446	868	185	30	3	2							F	6,814
				3	520	10,566	2,239	556	106	16	6							T	14,012
Grade 6					1	236	4,945	1,512	512	80	22	2						M	7,310
					1	286	5,182	983	265	40	10				1			F	6,768
					2	522	10,127	2,495	777	120	32	2			1			T	14,078

TABLE 4 — PUPILS CLASSIFIED BY AGE, GRADE, AND SEX (Continued)
(SEPTEMBER 30, 1980)

	Age 5 and Under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and Over		Total Students
Grade 7						1	265	4,703	1,766	771	216	34	3	1	1			M	7,761
						3	328	5,066	1,089	398	111	18	4					F	7,017
						4	593	9,769	2,855	1,169	327	52	7	1	1			T	14,778
Grade 8							1	258	4,428	1,728	857	220	42	5	3	1		M	7,543
						10	5	303	5,073	1,314	516	143	25	4				F	7,393
						10	6	561	9,501	3,042	1,373	363	67	9	3	1		T	14,936
Grade 9								2	283	4,256	1,656	715	174	25	4			M	7,115
							1	1	375	4,924	1,327	400	116	26		1		F	7,171
							1	3	658	9,180	2,983	1,115	290	51	4	1		T	14,286
Grade 10									3	263	4,302	1,722	678	186	37	10	4	M	7,205
									1	373	5,094	1,422	517	111	26	3	11	F	7,558
									4	636	9,396	3,144	1,195	297	63	13	15	T	14,763
Grade 11										14	266	3,801	1,377	413	88	16	7	M	6,002
										6	429	4,786	1,130	263	72	21	15	F	6,722
										20	715	8,587	2,507	676	160	37	22	T	12,724
Grade 12											4	327	3,370	1,102	254	40	17	M	5,114
										1	11	438	4,087	919	182	41	45	F	5,724
										1	15	765	7,457	2,021	436	81	62	T	10,838
EMH	2	13	35	57	81	117	112	126	122	155	172	122	65	31	5	5	2	M	1,222
	3	9	11	35	35	65	61	59	64	67	65	73	48	24	6	2		F	627
	5	22	46	92	116	182	173	185	186	222	237	195	113	55	11	7	2	T	1,849

TABLE 4 — PUPILS CLASSIFIED BY AGE, GRADE, AND SEX (continued)
(SEPTEMBER 30, 1960)

	Age 5 and Under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and Over		Total Students
TMH	11	13	8	25	21	20	10	23	17	18	17	27	19	15	16	9	1	M	270
	7	13	7	18	15	10	16	20	10	13	22	19	12	8	10	4	4	F	208
	18	26	15	43	36	30	26	43	27	31	39	46	31	23	26	13	5	T	478
AUX	2	3	2	5	5	5	15	15	29	20	26	13	18	3	1			M	162
	2	1	3	1	2	3	3	7	7	11	13	7	4					F	64
	4	4	5	6	7	8	18	22	36	31	39	20	22	3	1			T	226
JHA								25	128	266	313	198	46	7	1	1		M	985
								15	74	188	189	144	25	4	1			F	640
								40	202	454	502	342	71	11	2	1		T	1,625
1 Yr Bus Ed													5	19	4	2	2	M	32
												3	88	106	27	12	28	F	264
												3	93	125	31	14	30	T	296
Other		1		2	9	12	5	39	21	79	205	304	114	47	7	4	1	M	850
			1	1	10	9	8	33	19	38	64	108	46	16	3	4		F	360
		1	1	3	19	21	13	72	40	117	269	412	160	63	10	8	1	T	1,210
Vocational										15	77	361	642	1,014	838	387	268	M	3,602
										2	43	156	318	752	435	161	258	F	2,125
										17	120	517	960	1,766	1,273	548	526	T	5,727

TABLE 4 — PUPILS CLASSIFIED BY AGE, GRADE, AND SEX (Continued)
(SEPTEMBER 30, 1980)

	Age 5 and Under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and Over		Total Students
Total	6,569	6,400	6,693	6,977	7,421	7,123	7,063	7,133	7,393	7,680	8,157	7,846	6,553	2,868	1,259	475	302	M	97,912
	6,065	6,159	6,497	6,614	7,077	6,766	6,670	6,691	7,010	7,378	7,896	7,717	6,420	2,233	763	249	361	F	92,566
	12,634	12,559	13,190	13,591	14,498	13,889	13,733	13,824	14,403	15,058	16,053	15,563	12,973	5,101	2,022	724	663	T	190,478

TABLE 5 — CONTINUING EDUCATION

Public School Programs — 1980-81

Subject Classification	Classes	Enrolments
High School Course Credit	137	1,282
Adult Basic Education	72	297
Accelerated Program	60	1,049
Sewing	259	3,095
Conversational French	24	256
G.E.D. Preparatory	67	945
Vocational	724	10,083
English as a Second Language	49	727
Other	162	8,717
Totals:	1,554	26,451

Programs/Activities	Number of Programs/Activities	Number of Enrolments/Participants
Community Schools	54	32,706
Volunteer Reading Aide Workshops	12	194
Small Business Management	45	775
Senior Citizen Seminars	16	402
Pre-Retirement Seminars	16	413
General Educational Development Tests	42	2,252
Public School Programs	1,554	26,451
English Classes for Refugees	23	382

TABLE 6 — ADULT VOCATIONAL TRAINING
(Including Apprenticeship Training)
1980-81

Category	Enrolments		
By Institutions	Men	Women	Total
Dartmouth & Cape Breton Adult Vocational Training Centres & Modules	2,110	2,087	4,197
Other training institutions operated by the Government of Nova Scotia N.S. Institute of Technology — Halifax N.S. Nautical Institute — Halifax N.S. Land Survey Institute — Lawrencetown N.S. Agricultural College — Truro Department of Fisheries — Pictou & Outports Miscellaneous	4,050	610	4,660
Other training institutions operated by the Government of Canada (Canada Penitentiary Service) Springhill Medium Security Institution	581	—	581
Other training institutions College of Cape Breton Private Schools University (disabled) Others	1,607	496	2,103
Industry (Disabled) Various locations	13	8	21
Total:	8,361	3,201	11,562
By Course			
Vocational	7,316	1,990	9,306
Vocational Preparatory Basic Training for Skill Development Job Readiness Training Career Exploration for Women Occupational Exploratory Training	1,045	1,221	2,258
Total:	8,361	3,201	11,562
By Trainees			
Federal*	7,617	3,084	10,701
Disabled	158	109	267
Provincial	5	8	13
Canadian Penitentiary Services	581	—	581
Total:	8,361	3,201	11,562

*(Including 2,796 indentured apprentices — 2,765 men and 31 women)

TABLE 7 — NOVA SCOTIA INSTITUTE OF TECHNOLOGY 1980-81

NOTE: The number in parentheses indicates the number of females included in the number immediately preceding.

	On Roll Aug. 1 1980	Manpower Students Enrolled	Total Enrolled	Completed	On Roll July 31, 1981
Applied Arts and Technology Courses Nova Scotia Institute of Technology					
Dental Assisting — 1 year			36(36)	35(35)	
Dental Technology —					
1st year			8(6)	8(6)	
2nd year			4(2)	4(2)	
Electrical Technology					
1st year			14	8	
2nd year			10	10	
Electronics Technology					
1st year			46	31	
2nd year			37(2)	37(2)	
Mechanical Technology					
1st year			21	16	
2nd year			11	9	
Medical Lab. Tech.					
1st year			68(60)	51(47)	
2nd year	33 (26)		76(59)	30(21)	43 (33)
Nuclear Med. Tech.					
1st year			8(8)	8(8)	
2nd year	5 (3)		13(11)	5(3)	8 (8)
Process Operations — 1 year		25	30	18	
Food Service Tech. — 2 years			23(21)	6(5)	
Total Technology Courses	38 (29)	25	405(205)	266(129)	51 (41)

TABLE 7 — NOVA SCOTIA INSTITUTE OF TECHNOLOGY 1980-81 (continued)

NOTE: The number in parentheses indicates the number of females included in the number immediately preceding.

	On Roll Aug. 1 1980	Manpower Students Enrolled	Total Enrolled	Completed	On Roll July 31, 1981
Apprenticeship Courses Nova Scotia Institute of Technology					
Bricklaying —					
Pre-Employment		12	12	11	
Block Release (Modular)		61	61	57	
Bus & Transport —					
Block Release		19	19	17	
Carpentry —					
Pre-Employment		14	14	14	
Block Release		348	348	340	
Cooking (Commercial)					
Block Release		86 (31)	86(31)	83(30)	
Electrical Const. —					
Pre-Employment		15	15	15	
Block Release		228	228	224	
Engine Operator —					
Block Release		135	135	133	
In-Plant Apprentice —					
Block Release		143	143	142	
Lineman —					
Block Release		42	42	42	
Machinist —					
Pre-Employment		15 (1)	15(1)	14(1)	
Block Release		56	56	56	
MVR (Mechanical) —					
Pre-Employment		15	15	15	
Block Release		294	294	294	
Oil Burner Mech. —					
Pre-Employment		15 (1)	15(1)	15(1)	
Block Release		58	58	56	
Plumbing —					
Block Release		141	141	140	
Refrigeration & Air Conditioning —					
Block Release		38	38	38	

TABLE 7 — NOVA SCOTIA INSTITUTE OF TECHNOLOGY 1980-81 (continued)

NOTE: The number in parentheses indicates the number of females included in the number immediately preceding.

	On Roll Aug. 1 1980	Manpower Students Enrolled	Total Enrolled	Completed	On Roll July 31, 1981
Sheet Metal — Block Release		46	46	45	
Sprinkler Fitter — Block Release		69	69	66	
Total Apprenticeship Courses		1,850 (33)	1,850(33)	1,817(32)	
Other Courses Nova Scotia Institute of Technology					
Building Supply Sales		33 (1)	33(1)	18(1)	1
Electronics Equipment Repair	11 (1)	33 (1)	44(2)	23(1)	15 (1)
Modified Academic Upgrading		10 (9)	11(9)	8(6)	
Radio Announcing	19 (4)	57 (17)	76(21)	58(12)	18 (5)
Retail Selling/ Management		69 (52)	69(52)	42(33)	13 (7)
Roustabout — Petroleum Exploration		15	15	15	
Introduction to Trades Training for Women		9 (9)	9(9)	7(7)	
Total Other Courses	30 (5)	217 (80)	248(85)	164(60)	47 (13)
Summary					
Applied Arts & Technology Courses	38 (29)	25	405(205)	266(129)	51 (41)
Apprenticeship Courses		1,850 (33)	1,850(33)	1,817(32)	
Other Courses	30 (5)	217 (80)	248(85)	164(60)	47 (13)
Total — All Courses	68 (34)	2,092 (113)	2,503(323)	2,247(221)	98 (54)

TABLE 8 — NOVA SCOTIA LAND SURVEY INSTITUTE 1980-81

	Enrolled	Withdrew	Failed	Graduated
Cartography	17 (8)	1	4 (3)	12 (4)
Survey				
Certificate	25 (2)	3	2	18 (2)
Diploma	16 (2)	—	2	14 (2)
Survey Assistant	12 (1)	1	1 (1)	10
Property Mapping	11 (1)	1	1 (1)	9
Planning				
Certificate	8	2	1	5 (2)
Diploma	7	—	3	4 (2)
Remote Sensing				
Certificate	6 (1)	—	2	4 (1)
Diploma	6 (1)	—	1	5 (1)
Photogrammetry	6 (1)	1 (1)	—	5
Computer Programming	20 (5)	3 (1)	—	17 (4)
Totals	134 (22)	12 (2)	17 (5)	103 (18)

NOTE: The number in brackets denotes the number of females in the total.

TABLE 9 — NOVA SCOTIA NAUTICAL INSTITUTE 1980-81

Courses	Manpower Students Enrolled	Total Enrolled	Completed Courses
Marine Engineering			
Marine Engineer, 1st Class	6	15	5
Marine Engineer, 2nd Class	15	34	7
Marine Engineer, 3rd Class	19	27	13
Marine Engineer, 4th Class	14	18	14
Marine Navigation			
Master Mariner	8	13	2
Ocean Navigation I	16	30	8
Ocean Navigation II	35	62	12
Coastal Navigation II	3	—	—
Watchkeeping Mate	62	95	26
Command Endorsement	3	5	2
New Entry Seaman/Woman	48	56	48
Master Minor Waters	—	—	—
Master Ferry (SR)	1	3	3
Master — 40 Ton	1	1	1
Fishing Master Class III	2	3	1
Fishing Master Class IV	3	—	—
Rigger Industrial and Marine	16	16	10
Additional Courses			
Simulated Electronic Navigation I	44	63	62
Simulated Electronic Navigation II	7	22	22
Radar Simulator	4	8	8
Firefighting	203	341	329
Lifeboat & Survival	204	372	353
Ice Observers	—	11	11
Totals	712	1195	939

TABLE 10 — TEACHERS BY CERTIFICATE (BY BOARD)

(September 1980)

	TP	TC1	TC2	TC3	TC4	TC5	TC6	TC7	TC8	VTC1	VTC2	VTC3	VTC4	VTCA	Exch	Total
Amalgamated Boards	1	6	57	108	263	641	540	162	34	3	43	11	15	5		1,889
Municipal School Boards		13	134	289	559	1,792	1,242	338	79	4	32		1	4	1	4,459
Boards of School Commissioners		6	88	175	372	1,405	1,336	464	1,178	1	6	2	1	3	2	4,019
Regional Boards	1	1	11	268	760	258	213	490	10		3				1	649
Regional Vocational Boards			1	2	2	28	41	20	12	8	144	48	84	38		428
Total All Boards	2	26	271	600	1,272	4,124	3,372	1,033	313	16	199	61	101	50	4	11,444
Total All Boards (Male)	2	1	7	57	212	1,353	1,872	732	226	10	176	53	78	42	2	4,823
Total All Boards (Female)		25	264	543	1,060	2,771	1,500	301	87	6	23	8	23	8	2	6,621
Percent of Total All Boards	.1	.2	2.4	5.2	11.1	36.1	29.5	9.0	2.7	.1	1.7	.5	.9	.4	.1	100%

NOTE: Percentages which are less than .¹ percent are shown as .1 percent.

TABLE 11 — TEACHERS BY CERTIFICATE AND YEARS OF SERVICE (September 30, 1980)

Certificate	Total	1	2	3	4	5	6	7	8	9	10	Max
TC 8	313	1	1	2	1	1	4	7	6	7	10	273
TC 7	1,033	4	5	6	11	10	18	32	49	51	62	785
TC 6	3,372	39	42	67	98	99	175	233	224	227	197	1,971
TC 5	4,124	167	202	247	276	229	263	265	236	247	221	1,741
TC 4	1,272	74	89	71	55	32	59	78	73			741
TC 3	600	1	2	3	5	7	11	15				556
TC 2	271											271
TC 1	26											26
Permit	2											2
No Cer	4											4
VP A	50	16	10	13	5	3	1					2
VTC 4	101				3	3	6	4	4	2	2	77
VTC 3	61		1			2	2	3	2	2		49
VTC 2	199	1		5	4	10	5	6	6	10	2	150
VTC 1	16		1	1		3			1			10
Total	11,444	303	353	415	458	399	544	673	601	546	494	6,658

TABLE 12 — ACTIVE TEACHERS BY CERTIFICATE AND AGE DISTRIBUTION (September 30, 1983)

Total Province		Age Distribution											
Certificate	Total	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 and over
TP	2				1							1	
TC1	26					1	1	4	9	7	4		
TC2	271			1	6	32	59	54	45	41	30	3	
TC3	600			58	115	113	105	78	52	50	28	1	
TC4	1,272		201	278	274	165	127	91	66	43	25	2	
TC5	4,124		347	1,140	1,161	581	293	254	189	107	51	1	
TC6	3,372		38	562	1,066	680	370	246	215	126	66	2	1
TC7	1,033		1	57	265	254	160	126	95	52	19	2	
TC8	313			8	45	79	66	41	40	20	14		
VTC1	16				2	1	3	1	6	2	1		
VTC2	199				10	20	34	42	27	45	20	1	
VTC3	61				2	11	11	13	9	13	2		
VTC4	101				3	12	21	24	17	19	5		
VTCA	50		1	11	11	11	7	3	2	2	2		
Exchange	4		1		3								
Total	11,444		588	2,115	2,964	1,960	1,257	979	772	527	267	13	1

TABLE 13 — TEACHERS BY CERTIFICATE AND LEVELS OF EDUCATION SERVED

(September 30, 1980)

Level	Total	TC8	TC7	TC6	TC5	TC4	TC3	TC2	TC1	Permit	TCM	NBC	VTCA	VTC4	VTC3	VTC2	VTC1
P - 6	4,771	43	177	1,064	1,964	851	430	215	24			2				1	
7 - 9	3,446	76	317	1,164	1,418	303	113	37		1		1	3	1	1	8	3
10 - 12	2,720	114	366	1,061	917	152	58	8				1	9	3	2	24	5
Aux.	807	25	76	294	267	84	33	10	2	1				2	1	8	4
Voc.	465	10	18	41	38	3	1	1					39	84	53	168	9
7 - 12	5,173	168	605	1,875	1,942	359	130	38		1		2	11	4	3	28	7
P - 9	7,907	114	469	2,140	3,246	1,112	532	249	24	1		3	3	1	1	9	3
P - 12	9,626	206	756	2,848	3,768	1,166	549	250	24	1		4	11	4	3	29	7
Non-Teaching (Board)	189	29	73	59	20	8											
Non-Teaching (Other)	531	47	119	189	90	32	25	12	1					12	4		
Total	*11,444	313	1,032	3,372	4,124	1,272	600	271	26	2		4	50	101	61	199	16

*Sum of total teachers will not tally because teachers are added more than once, depending on number of grades they teach.

TABLE 14 — TEACHERS BY CERTIFICATE AND TEACHING POSITION (September 30, 1980)

	TP	TC1	TC2	TC3	TC4	TC5	TC6	TC7	TC8	VTC1	VTC2	VTC3	VTC4	VTPA	Exch	Total
Supervisor of a Sub-System						2	3	5	5							15
Superintendent					1	5	27	22	6							61
Assistant Superintendent						1	5	8								14
Principal				6	5	31	158	114	41			2	4			361
Principal Teaching		1	8	12	24	56	67	28	5				1			202
Vice-Principal					3	19	57	51	15		1	1	9			156
Vice-Principal Teaching				7	15	32	87	41	13							195
Department Head				3	5	63	110	56	26		5	4	10			282
Regular Teacher		23	241	438	835	2,889	1,992	430	105		2	2	3	3	2	6,965
Specialist Teacher	2	2	15	112	339	911	779	215	71	16	190	51	74	43	2	2,822
Guidance Director							5									5
Pupil Services Co-ordinator							3	4	2							9
Supervisor					5	8	25	34	18		1					91
System Consultant					2	5	12	10	3			1				33
Others			7	22	38	102	42	15	3					4		233
Total	2	26	271	600	1,272	4,124	3,372	1,033	313	16	19	61	101	50	4	11,444

TABLE 15 — TEACHERS BY LOCATION AND DEGREE
(September 1980)

	Degree					
	Bachelor's	Master's	Dr.'s	Total With Degrees	Total Teachers	Percentage With Degrees
Amalgamated School Boards	979	153	2	1,134	2,226	50.0
Municipal School Boards	2,923	276	5	3,204	5,412	59.0
Board of School Commissioners	2,809	438	8	3,255	4,835	67.0
Regional School Boards	486	66	2	554	788	70.0
Regional Vocational School Boards	107	21	—	128	439	29.0
Total all Boards	7,304	954	17	8,275	13,700*	60.0

*Provincial total includes all teachers employed for the school year 1980-81.

TABLE 16 — MOBILITY OF TEACHERS (September 30, 1980)

	Total Teachers	First Year in Profession	New to Board	Returning to Board
Amalgamated Boards	1,889	38	93	1,773
Boards of School Commissioners	4,019	85	271	3,717
Municipal School Boards	4,459	132	279	4,146
Regional School Boards	649	29	61	585
Regional Vocational School Boards	428	19	25	397
Total All Boards 1980	11,444	303	729	10,618
Total All Boards 1979	11,502	372	198	10,932
Increase			531	
Decrease	58	69		314

Program changes effective 1980 do not permit full comparisons to previous years' reports.

TABLE 17 — TEACHERS: AVERAGE SALARY BY CERTIFICATE BASED ON NUMBER OF ACTIVE TEACHERS AS OF SEPTEMBER 30, 1980

Certificate	Number	Average
TC 8	313	$32,581
TC 7	1,033	$30,316
TC 6	3,372	$26,859
TC 5	4,124	$22,453
TC 4	1,272	$18,889
TC 3	600	$17,412
TC 2	271	$14,694
TC 1	26	$14,666
Permit	2	$ 9,000
No Certificate	4	
VP A	50	$15,527
VTC 4	101	$29,459
VTC 3	61	$27,539
VTC 2	199	$24,257
VTC 1	16	$19,040
Total	11,444	$23,951
Total (excluding vocationals)	11,016	$23,896

NOVA SCOTIA TEACHERS' PENSION FUND
AUDITOR'S REPORT

The Minister of Finance
Province of Nova Scotia

I have examined the balance sheet of the Nova Scotia Teachers' Pension Fund as at March 31, 1981 and the statement of continuity of fund for the year then ended. My examination was made in accordance with generally accepted auditing standards and accordingly included such tests and other procedures as I considered necessary in the circumstances.

In my opinion, these financial statements present fairly the financial position of the Fund as at March 31, 1981 and the results of the transactions for the year then ended, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

A.W. Sarty
Auditor General

September 18, 1981
Halifax, Nova Scotia

TABLE 18 — THE NOVA SCOTIA TEACHERS' PENSION COMMISSION
Number of Teacher-Pensioners — July 31, 1981

1926 Act	On Pension July 31, 1980	Number Added	Deaths	Resumed Teaching	Number on Pension July 31, 1981
Service Pensions — Men	2	—	—	—	2
Service Pensions — Women	11	—	3	—	8
Disability Pensions — Men	—	—	—	—	—
Disability Pensions — Women	20	—	—	—	20
Dependents' Pensions	4	—	1	—	3
Subtotal	37	—	4	—	33

1949 Act	On Pension July 31, 1980	Number Added	Deaths	Resumed Teaching	Number on Pension July 31, 1981
Service Pensions — Men	272	40	1	—	311
Service Pensions — Women	1,550	171	38	—	1,683
Reduced Service — Men	61	4	—	—	65
Reduced Service — Women	751	21	15	—	757
Disability Pension (Total) — Men	34	2	1	—	35
Disability Pension (Total) — Women	138	6	7	—	137
Disability Pension (Partial) — Men	30	2	—	—	32
Disability Pension (Partial) — Women	152	4	—	—	156
Spouse's Pensions	247	35	13	—	269
Subtotal	3,235	285	75	—	3,445
Total	3,272	285	79	—	3,478

1926 Decrease — 4 1949 Increase — 210

TABLE 19 — NOVA SCOTIA TEACHERS' PENSION FUND
Statement of Continuity of Fund
for the year ended March 31, 1981

		1981	1980
Balance at beginning of year		$239,710,318	$206,857,945
Add:	Teachers' contributions	15,367,448	13,930,888
	Government contributions	15,367,448	13,930,888
	Purchase of prior service	569,790	506,541
	Transfers from other pension funds	321,718	851,596
	Income earned on investments	24,301,983	20,310,716
	Amortization of discount and premium on investments	36,221	40,988
		55,964,596	49,370,617
		295,674,914	256,228,462
Deduct:	Expenses (Note 4)	170,280	180,595
	Pensions paid	19,714,887	16,488,388
	Refund of contributions	1,156,727	1,201,880
	Transfers to other pension funds	306,520	364,199
	Amortization of difference between cost and selling price of securities exchanged to obtain a higher yield (Note 3)	283,150	283,324
		21,835,544	18,518,146
Balance at end of year		$274,039,370	$239,710,318

TABLE 20 — NOVA SCOTIA TEACHERS' PENSION FUND
Balance Sheet
as at March 31, 1981

ASSETS

	1981	1980
Current		
Cash	$1,367,050	$ 1,550,106
Short-term deposits	9,500,000	14,500,000
Contributions receivable	4,894,156	3,891,489
Accrued interest receivable	5,837,306	4,510,461
	21,598,512	24,452,056
Investments (Note 2)		
Bonds and debentures	239,118,063	200,867,840
Mortgages	6,492,946	6,750,331
Common and preferred shares	11,146,739	9,054,085
	256,757,748	216,472,256
Unamortized difference between cost and selling price of securities exchanged to obtain a higher yield (Note 3)	311,851	595,316
	$278,668,111	$241,519,628

LIABILITIES AND FUND EQUITY

Accounts payable	$ 4,628,741	$ 1,809,312
Fund equity	274,039,370	239,710,316
	$278,668,111	$241,519,628

Nova Scotia Teachers' Pension Fund
Notes to Financial Statements
for the Year ended March 31, 1981

1. Unfunded Liability

The Teachers' Pension Act requires that the fund be examined by an actuary every five years. The latest actuarial valuation of the fund for purposes of computing the unfunded liability was conducted as of July 31, 1979. Based on various assumptions for future inflation and interest rates and taking into consideration changes in the plan made in 1980, the unfunded liability was estimated to be $157,943,000.

2. Valuation of Investments

Bonds and debentures of $239,118,063 are valued at cost adjusted for the amortization of discounts and premiums over the life of the related security. The face value and the market value of these bonds and debentures as at March 31, 1981 were $241,001,000 and $181,972,905 respectively. Generally, investments in bonds and debentures are made with the intention to retain them until maturity at which time they are redeemed for their face value.

Mortgages of $6,492,946 are valued at cost adjusted for amortization of premiums and discounts over seven years. The face value of mortgages held at March 31, 1981 was $6,492,038.

Short term investments are shown at their cost and face value of $9,500,000.

Common and preferred shares are valued at a cost of $11,146,739 at March 31, 1981. The market value of these equity investments at that date was $17,926,156.

3. Gains and Losses on Investments

Gains and losses on bonds and debentures exchanged to obtain a higher yield are capitalized and amortized over the lesser of seven years or the remaining life of the bond or debenture.

Gains and losses on disposals of common and preferred shares are charged or credited to income in the year of disposition.

4. Administration Expenses

The fund is charged with expenses of the Teachers' Pension section and the Administration and Finance section of

the Department of Education, as detailed below. However, the costs of the actual management of the investments as carried out by the Trusts and Debt Management section of the Department of Finance are borne by the Province and are not reflected in these financial statements.

	1981	1980
Administration fees	$ 18,717	$ 19,101
Equipment and maintenance	8,928	1,804
Salary and wages	109,727	106,960
Supplies and Services	29,334	25,040
Travel	3,099	1,001
Other	455	6,889
	$170,260	$160,595

TABLE 21
NOVA SCOTIA SCHOOL BOOK BUREAU
STATEMENT OF OPERATIONS
Fiscal Year April 1, 1980 to March 31, 1981

Disbursements		
Purchase of Learning Materials	$3,060,815	
Freight and Mailing Costs	80,413	
Salaries	220,150	
Other	60,861	
		$3,422,239
Receipts		
Sales		$ 133,220
Inventories		
On Hand, March 31, 1980		$ 989,501
On Hand, March 31, 1981		777,281
Quantities of Textbooks and Material Distributed		
Textbooks, Primary to Grade 6	550,000	
Textbooks, Grades 7-12	325,000	
Textbooks, Special Education/Specialized Reading	130,000	
Textbooks, Acadiennes	16,000	
Textbooks, Television and Radio	3,500	
Textbooks, Miscellaneous	28,000	
		1,052,500
Journal, P & R Releases, other	82,000	
Cumulative Record Cards	33,000	
Teaching Guides, Curriculum Bulletins	135,000	
Miscellaneous	600,000	
		850,000